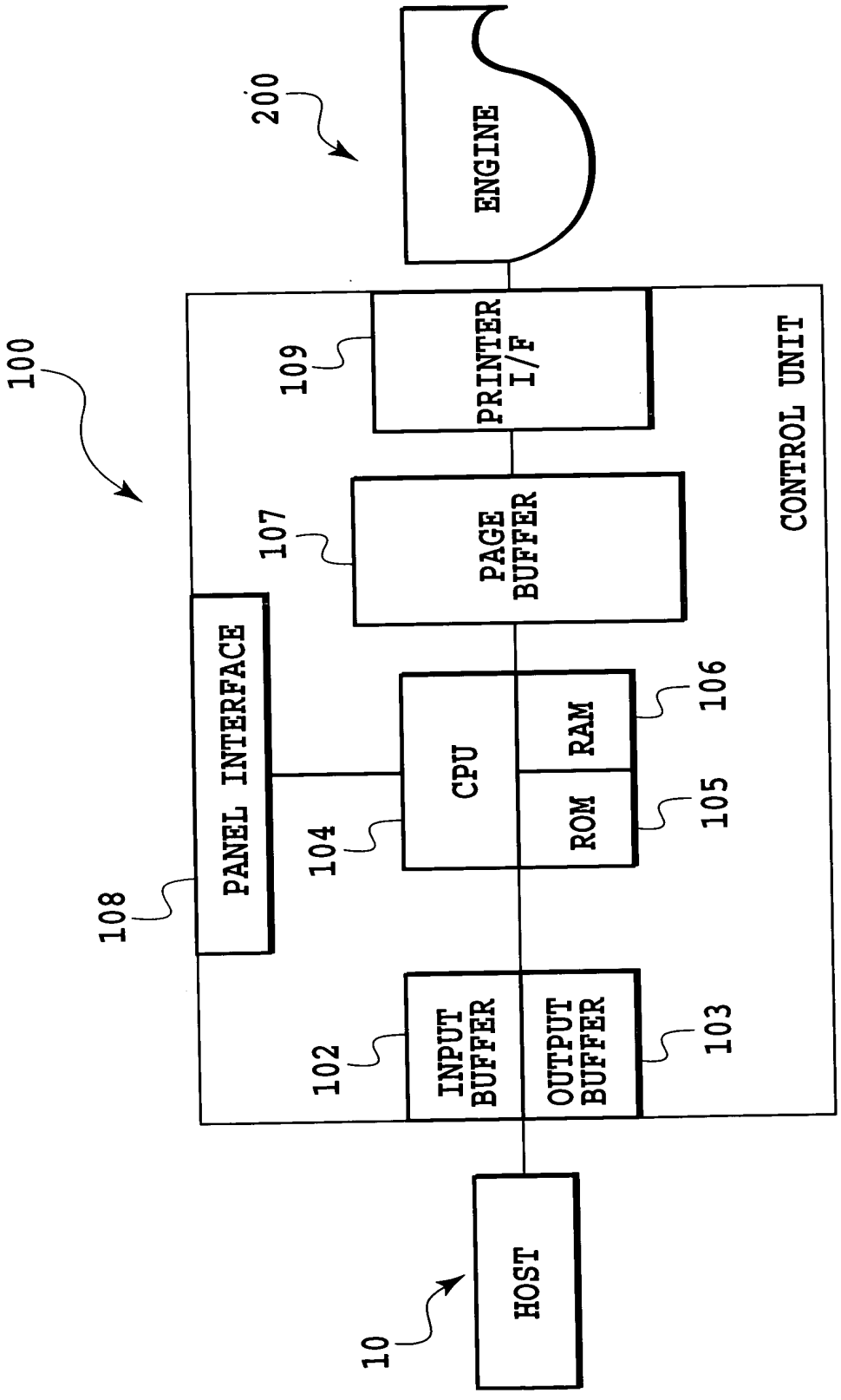
ENGINE
200
100
PRINTER I/F
109
PAGE BUFFER
107
CONTROL UNIT
PANEL INTERFACE
108
CPU
104
RAM
106
ROM
105
INPUT BUFFER
102
OUTPUT BUFFER
103
HOST
10

FIG.1

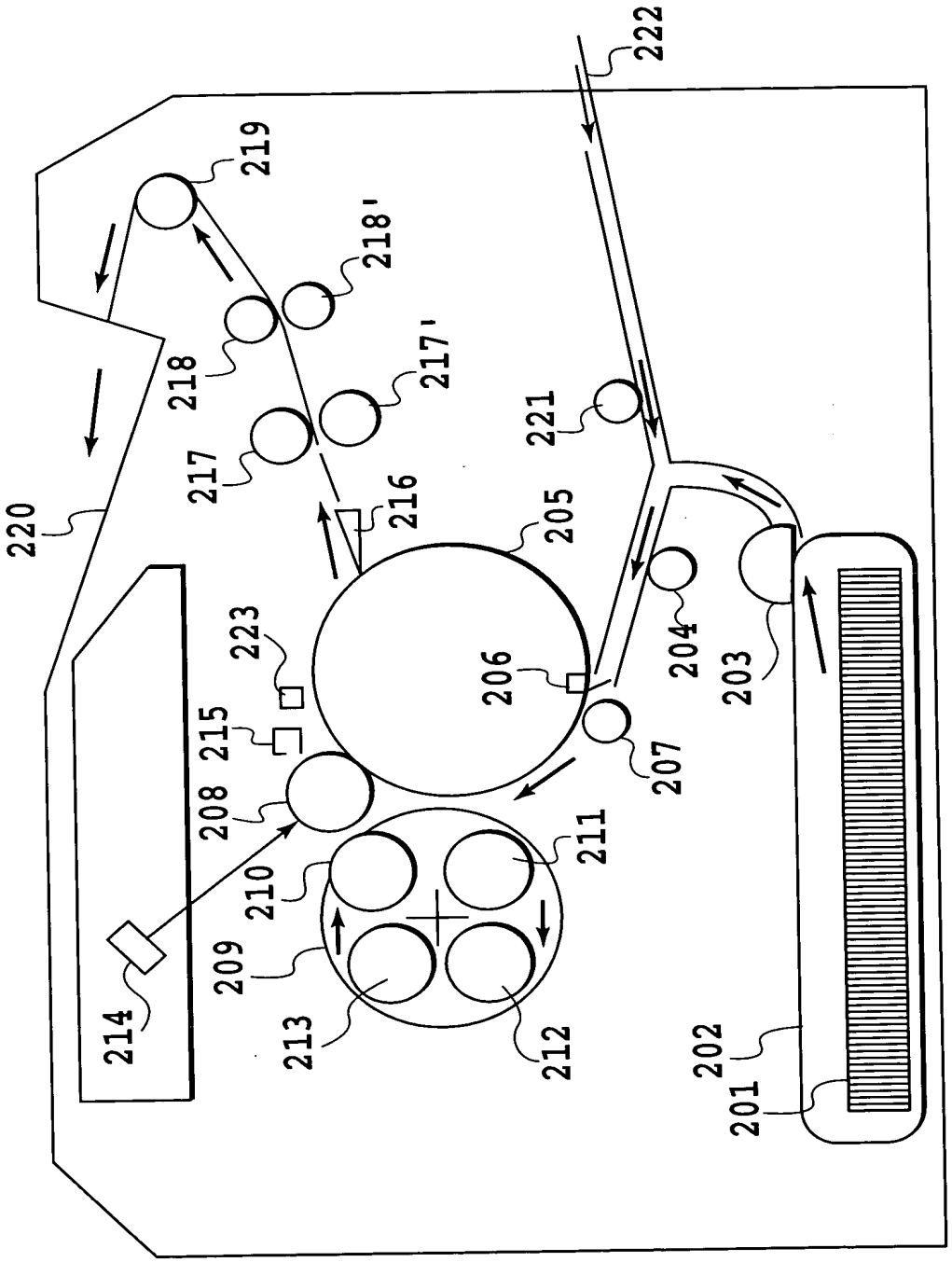
222
219
218'
218
217'
217
221
220
216
205
223
206
204
215
208
207
203
211
210
209
214
213
212
202
201

FIG.2

| COLOR \ INPUT DENSITY VALUE | DENSITY 1E | DENSITY 78 | DENSITY A0 | DENSITY FA |
|---|---|---|---|---|
| Y | 20 | 74 | A0 | FF |
| M | 22 | 78 | A5 | FF |
| C | 22 | 76 | A8 | FF |
| Bk | 22 | 80 | A5 | FF |

FIG.3

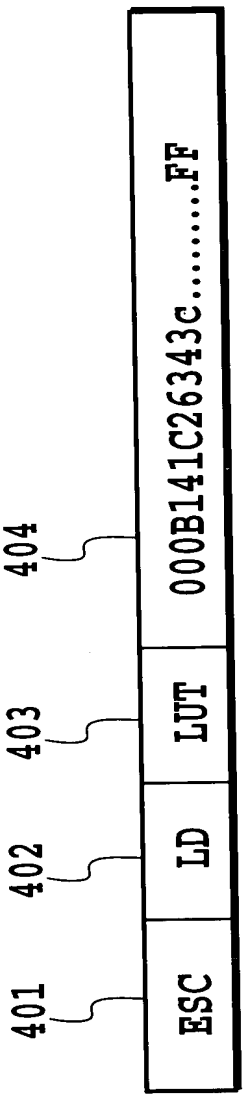


FIG.4

| COLOR | DENSITY 00 | DENSITY 0A | DENSITY 14 | DENSITY 1E | ..... | DENSITY FA |
|---|---|---|---|---|---|---|
| Y | 00 | 0B | 14 | 1C | ..... | FF |
| M | 00 | 0A | 16 | 1F | ..... | FF |
| C | 00 | 0A | 16 | 1E | ..... | FF |
| Bk | 00 | 09 | 16 | 1F | ..... | FF |

FIG.5

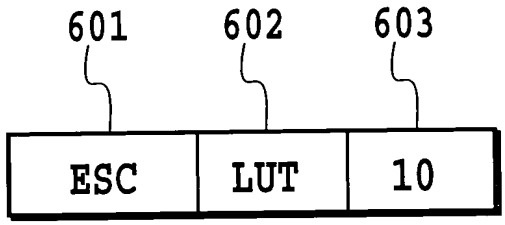


FIG.6

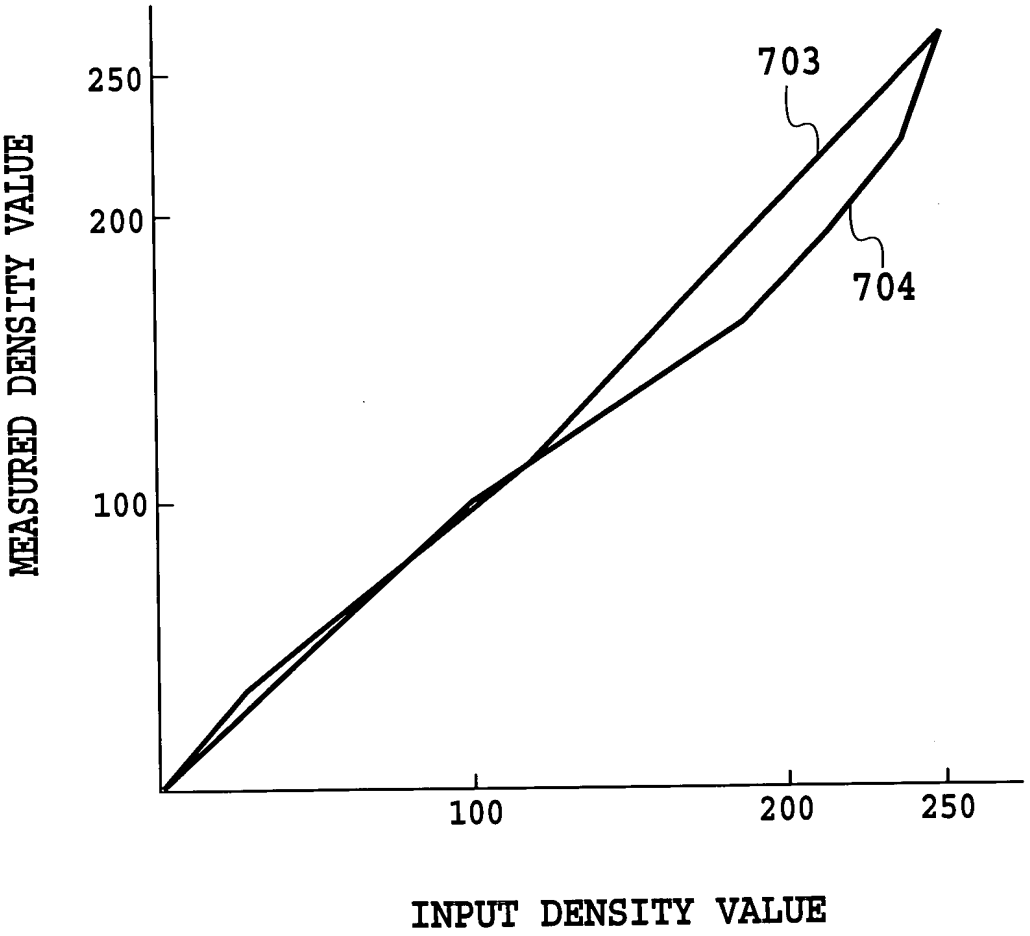
703
704
250
200
100
MEASURED DENSITY VALUE
100
200
250
INPUT DENSITY VALUE

FIG.7

FIG.8

FIG.8A

FIG.8B

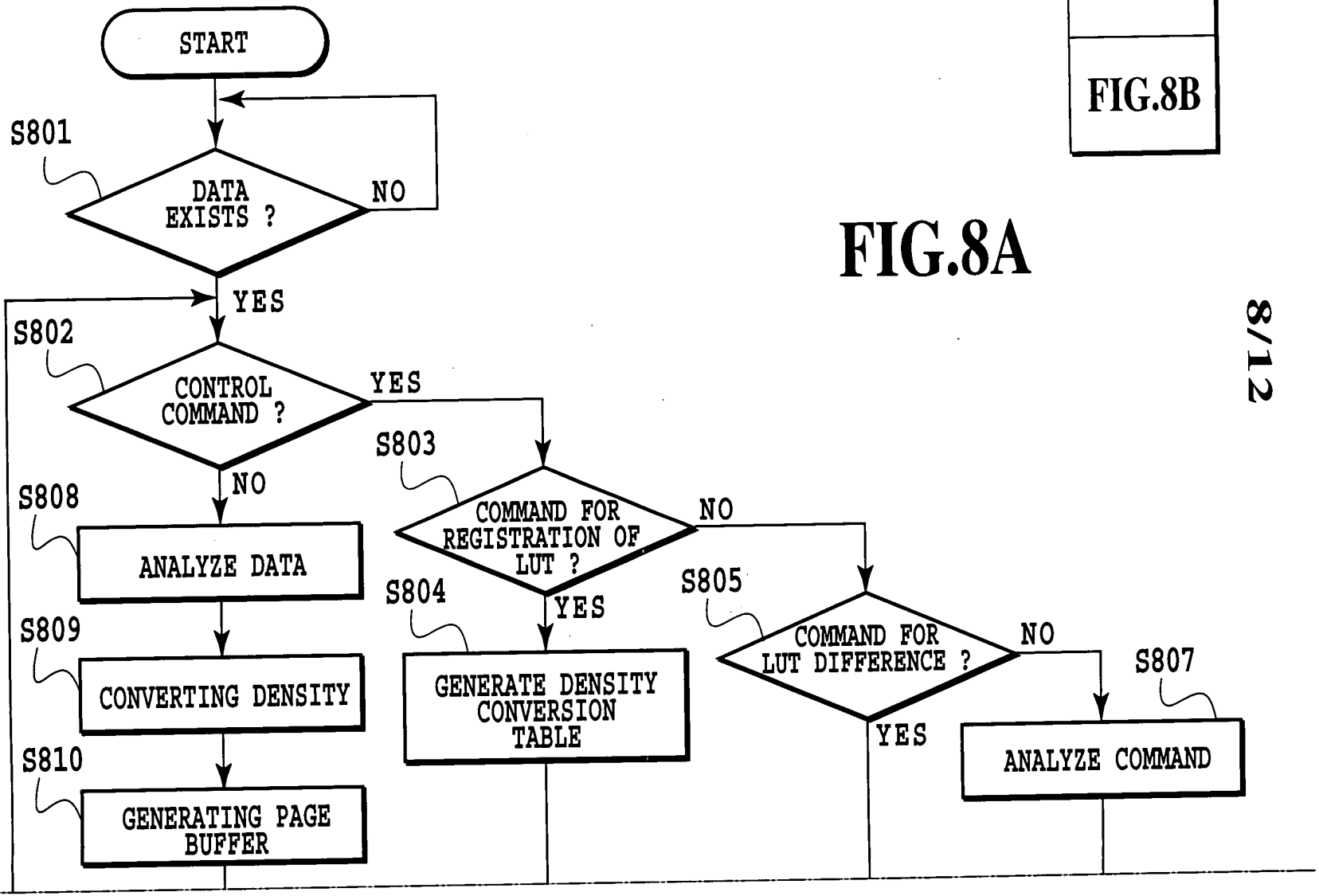


FIG.8A

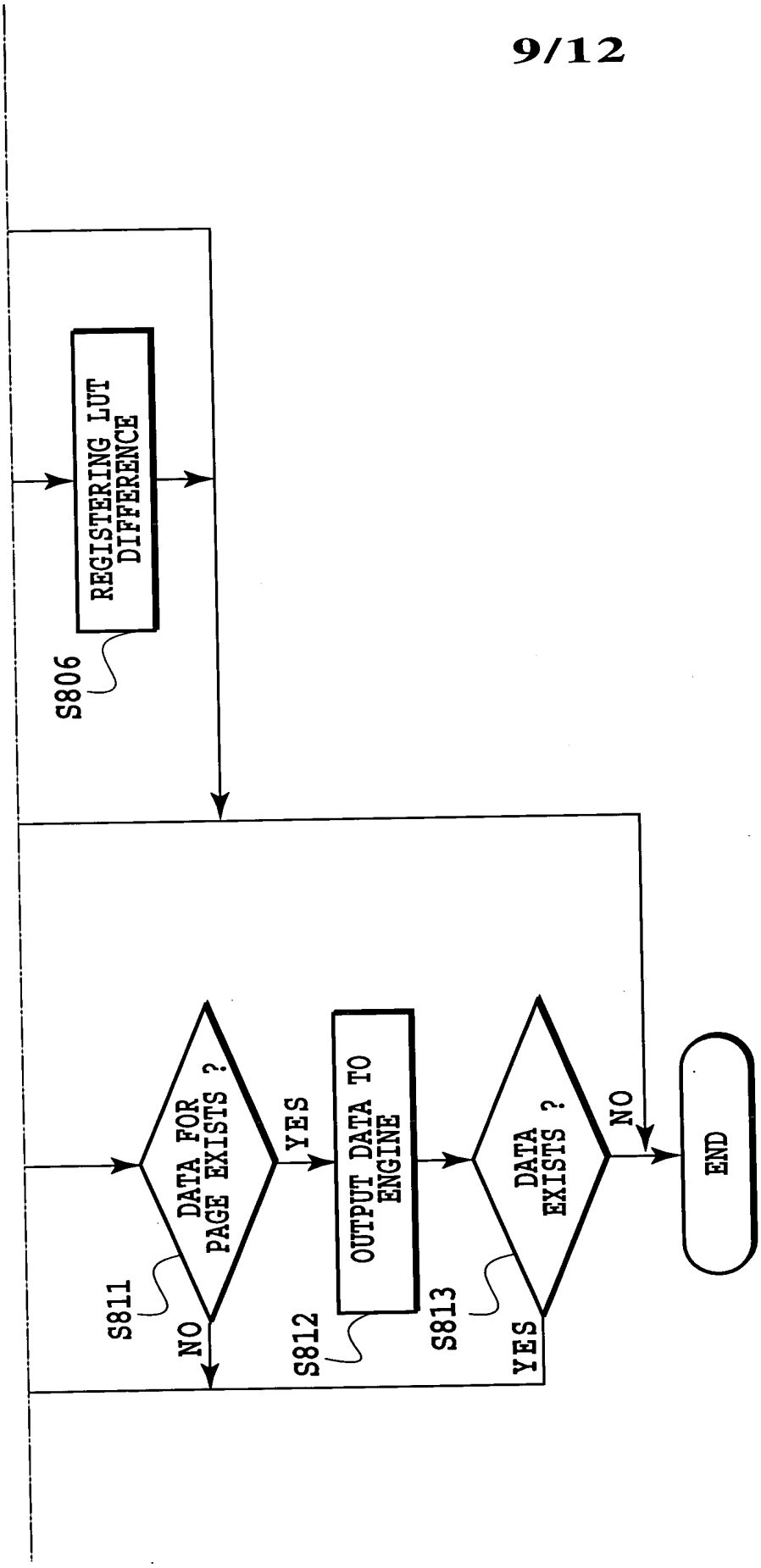
REGISTERING LUT DIFFERENCE
S806
DATA FOR PAGE EXISTS ?
S811
YES
NO
OUTPUT DATA TO ENGINE
S812
DATA EXISTS ?
S813
YES
NO
END

FIG.8B

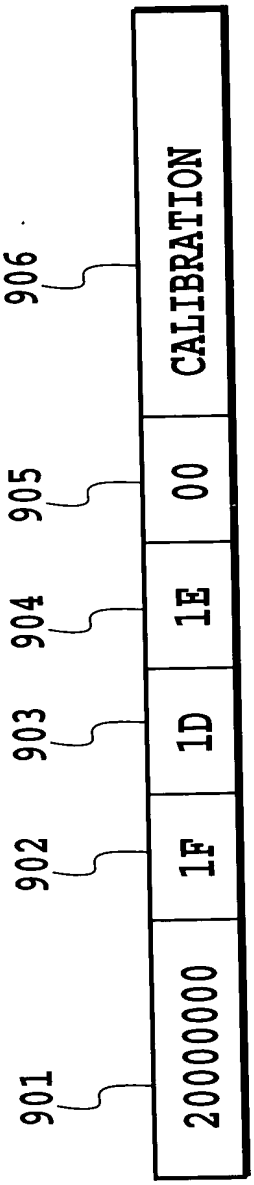


FIG.9

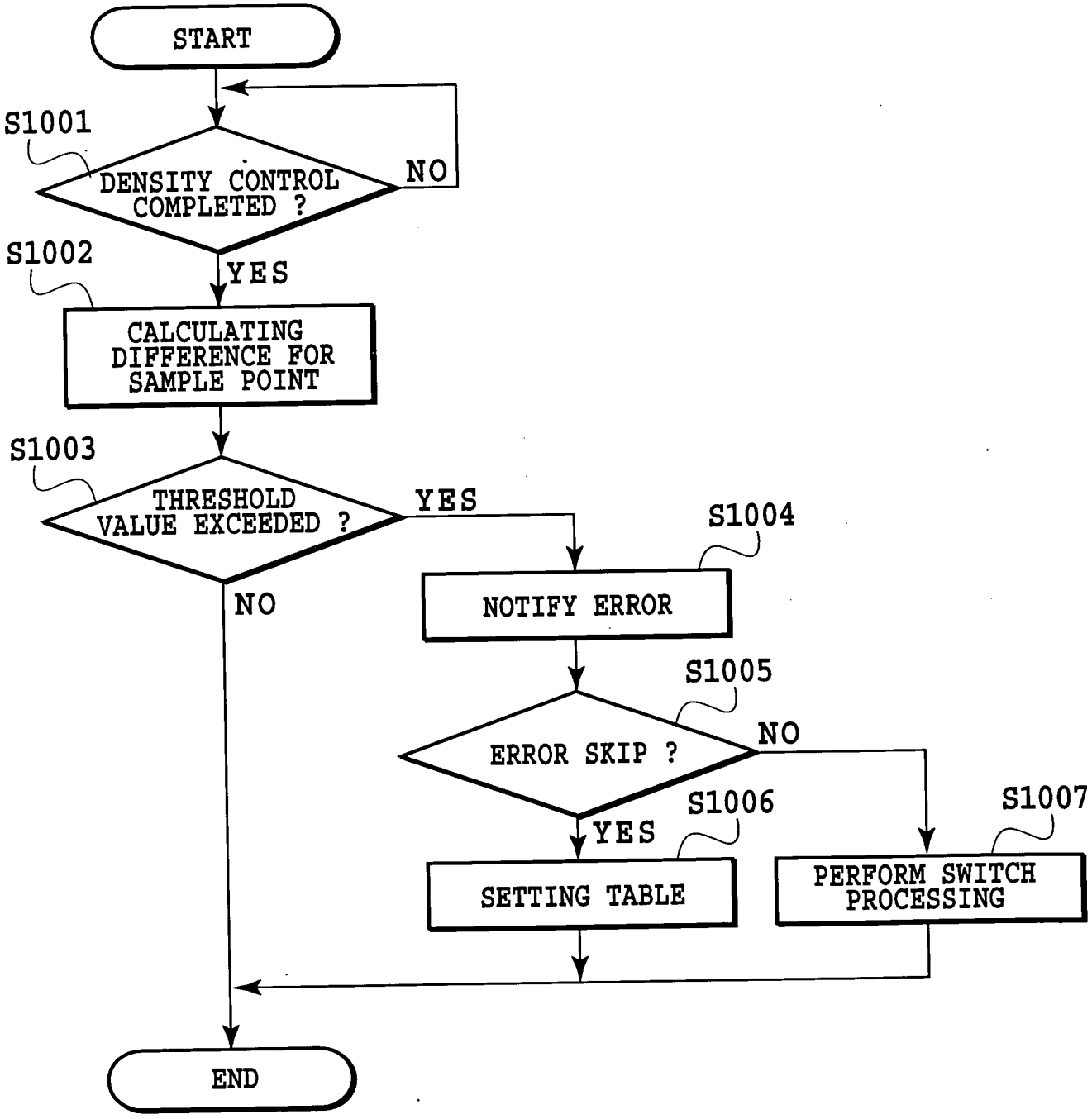
START
S1001
DENSITY CONTROL COMPLETED ?
NO
YES
S1002
CALCULATING DIFFERENCE FOR SAMPLE POINT
S1003
THRESHOLD VALUE EXCEEDED ?
YES
NO
S1004
NOTIFY ERROR
S1005
ERROR SKIP ?
NO
YES
S1006
SETTING TABLE
S1007
PERFORM SWITCH PROCESSING
END

FIG.10

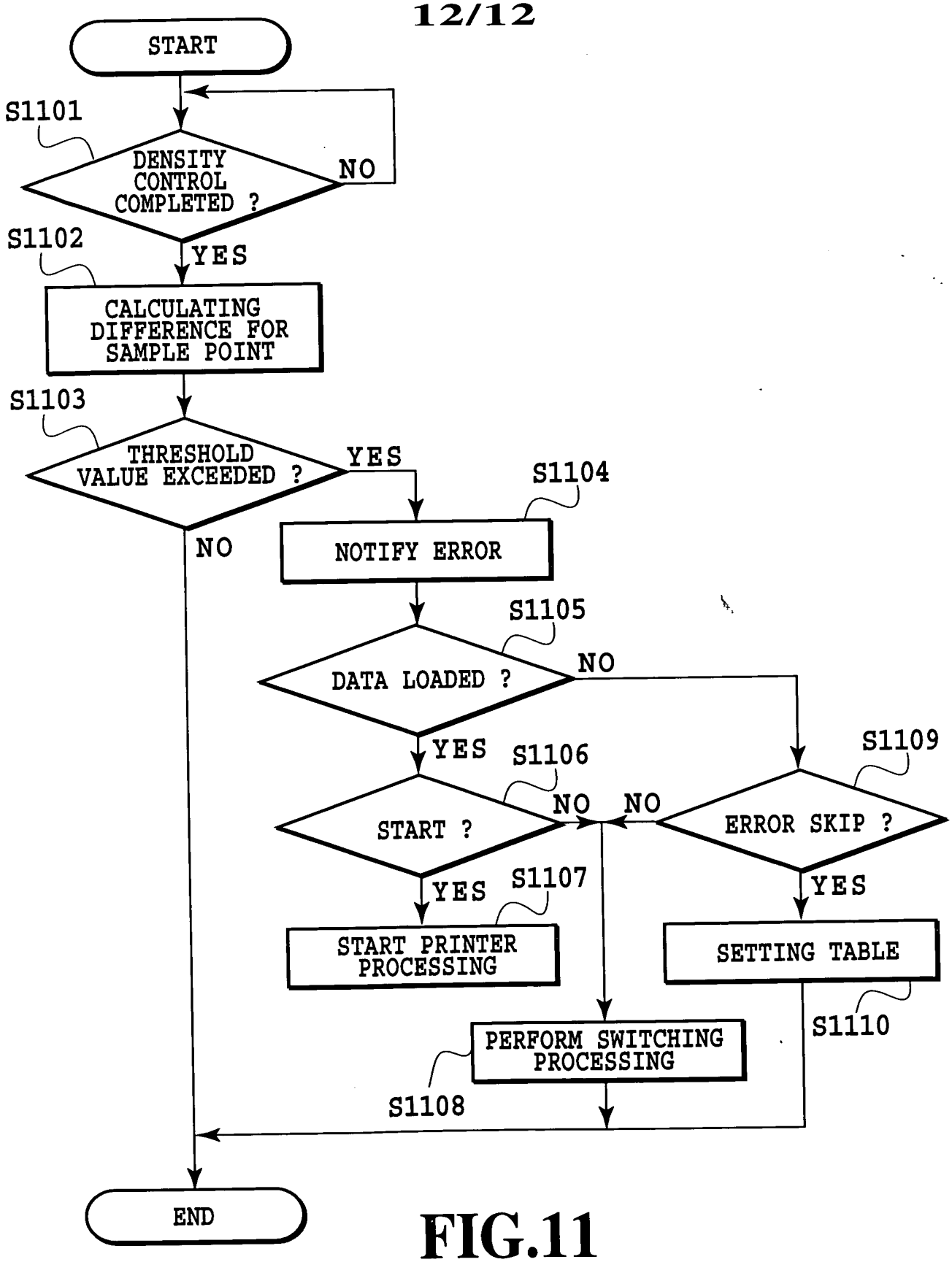
START
S1101
DENSITY CONTROL COMPLETED ?
NO
YES
S1102
CALCULATING DIFFERENCE FOR SAMPLE POINT
S1103
THRESHOLD VALUE EXCEEDED ?
YES
NO
S1104
NOTIFY ERROR
S1105
DATA LOADED ?
NO
YES
S1106
START ?
NO
YES
S1107
START PRINTER PROCESSING
S1108
PERFORM SWITCHING PROCESSING
S1109
ERROR SKIP ?
NO
YES
SETTING TABLE
S1110
END

FIG.11